

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0052] as follows.

[0052] Fig. 6C illustrates a structure 660 for a modulator such as modulator 440. Structure 660 uses a point defect resonator that contains a material 625 such as a semiconductor material (e.g., a p-i-n structure) or lithium niobate (LiNbO_3) and electrode 650 670 and 655 675 that are both under the point defect but separated from each other. A voltage applied across electrodes 650 670 and 655 675 creates an electric field E that changes the refractive index in the point defect causing a phase change in the resonating optical signal. Variations of the applied voltage between electrodes 650 670 and 655 675 can thus be used for amplitude or frequency modulation of the optical signal.

THE PATENT LAW OFFICES
OF DAVID MILLERS
6560 ASHFIELD COURT
SAN JOSE, CA 95120
PHONE (408) 927-6700
FAX (408) 927-6701